## VIDENSKIY, V.S.

Remarks on V.A.Markov's theorem on two polynomials the zeros of which alternate. Izv.AN Arm.SSR.Ser.fiz.-mat.nauk 15 no.2: (MIRA 15:4)

1. Matematicheskiy institut imeni V.A.Steklova AN SSSR. (Polynomials)

# VIDENSKIY, V.S.

Some evaluations for derivatives of rational fractions. Izv. AN SSSR. Ser. mat. 26 no.3:415-426 My-Je '62. (MIRA 15:6)

1. Matematicheskiy institut imeni V.A.Steklova AN SSSR. (Polynomials)

MANDELBROJT, S.; VIDENSKIY, V.S., [translator] GONCHAROV, V.L., redaktor; SHABAT, B.V., redaktor; IL'IN, B.M., tekhnicheskiy redaktor.

[Adherent series. Regularisation of sequences. Applications. Translated from the French] Primykaiushchie riady. Reguliarisatsiia posledovatel'nostei. Primeneniia. Perevod s frantsusskogo V.S. Videnskogo. Pod red. V.L. Goncharova. Moskva, Izd-vo inostrannoi lit-ry, 1955. 267 p. (MLRA 8:11) (Series) (Functions)

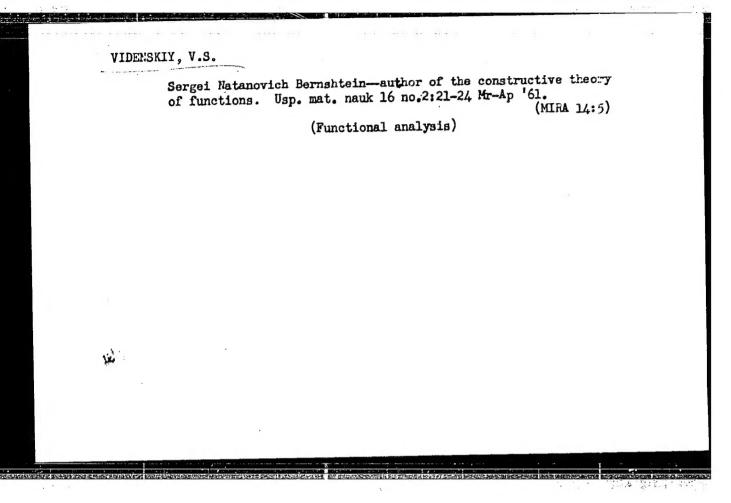
 MARKUSHEVICH, A.I.; VIDENSKIY, V.S., red.; KHAVINSON, S.Ya., red.; MURASHOVA, N.Ia., tekhn. red.

[Studies on present-day problems in the theory of functions of complex variables (collected articles)]Issledovaniia po sovremennym problemam teorii funktsii kompleksnogo peremennogo (sbornik statei); doklady. Pod red. A.I.Markushevicha. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1960. 544 p. (MIRA 15:1)

1. Vsesoyuznaya konferentsiya po teorii funktsii kompleksnogo peremennogo, 4th, Moscow, 1958.

(Functions of complex variables)

# "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3



VIDENSKIY, V. S., Doc Phys-Math Sci, "Weighted approxiMATIONS AND POLYNOMIALS WITH MINIMUM DEVIATIONS FROM ZERO."
LENINGRAD, 1961. (LENINGRAD ORDER OF LENIN STATE UNIV IM
A. A. Zhdanov). (KL, 3-61, 201).

23

S/022/61/014/001/001/010 B112/B202

N. 3000 AUTHOR:

Videnskiy, V. B.

TITLE:

Second remark on polynomials deviating minimally from zero

whose coefficients satisfy a given linear function

PERIODICAL:

Izvestiya Akademii nauk Armyanskoy SSR. Seriya fiziko-

matematicheskikh nauk, v. 14, no. 1, 1961, 3-7

TEXT: The author studies a class of polynomials  $P_n(z) = \sum_{k=0}^{\infty} a_k z^k$  (1)

with complex coefficients  $a_k$  satisfying the condition:

 $L[P_n] = \sum_{k=0}^{n} m_k a_k = 1$ 

with given complex numbers  $m_k$ . If, in class (1) a polynomial  $M_n$  minimally deviates from zero on a compact domain K of the z-plane, it deviates, according to a theorem by L. G. Shnirel'man, already on a subset of K consisting of 2n+1 points  $z_g$  at the maximum. In the first paper, the Card 1/3

Second remark on polynomials ...

59481 S/022/61/014/001/001/010 B112/B202

author called such a system  $\{z_g\}$  characteristic if a polynomial of class (1) exists for each subsystem of  $\{z_g\}$  whose deviation from zero on this subsystem is smaller than on the entire system  $\{z_g\}$ . In that paper the author derived a criterion for the case that in class (1) a polynomial M on a characteristic system  $\{z_g\}$  minimally deviates from zero. The result obtained was the extension of theorems which had been established by V. A. Markov and Ye. V.Voronovskaya for the real domain, to the complex domain. In the present paper the former criterion is given a new form by means of the result obtained by A. N. Kolmogorov which is extended to the complex domain. To obtain a minimum deviation from zero of the polynomial M of class (1) on the characteristic set of points the following relation is necessary and sufficient:  $M_n(z_g) = re^{-\frac{1}{12}} {z_g}$  as well as the existence of a sequence of positive, real numbers  $d_g$ , which satisfy the orthogonality relations  $d_g = \frac{1}{12} {z_g} {z_g} = \frac{1}{12} {z_g} {z_g} {z_g} = \frac{1}{12} {z_g} {z_g} = \frac{1}{12} {z_g} {z_g} {z_g} = \frac{1}{12} {z_g} {z_g} {z_g} = \frac{1}{12} {z_g} {z_g} {z_g} {z_g} = \frac{1}{12} {z_g} = \frac{1}{12} {z_g} {z_g} = \frac{1}{12} {z_g}$ 

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Second remark on polynomials...

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a polynomial  $G_n$  with  $L[G_n] = 0$ . There are 5 Soviet-bloc references.

ASSOCIATION: Matematicheskiy institut im. V. A. Steklova Akademii nauk

SSSR

(Mathematics Institute imeni V. A. Steklov Academy of Scien-

ces USSR)

SUBMITTED: October 31, 1960

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# "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

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		Table of the state	(Cuto wor) L. In the baring the form of the following the	Consuming the book enthing flowing or Consuming at the first of the flowing of th	The second section of the second second second second second section section section section second	Fract, A. A. (Triffel). On the Brokery Projection of Paradians.			Belightly, In. J. (Record). On Better Nurthma which the Re William Management in the Pore of Lephon Resembs. II	Lecutyry, A. P. (Miscow). On Department of Misser Africaises Compound of the Galactica y(s, A) of the Ordinary Mithematical 185 Remtine. By "Ay"	Mrs. The factor of the Difference Practice of Latinia 201	meralorich, 4. 6. (tilkyas), do a sprima of two Mithenson. Ery Reserved	Probases, V. L. (Thesares). Analytic falutions of a Linear Mr. Executed Transitial Regulator With Regulation of the Analytic Contractors.	BLD, M. B. (Section). Bud's interpolation fromes for Germin 294 Bealtite Parties.	Hearitz, L. S. Otocow). Galitative Problems of the Ebeny of 236 the Bart Apportantion of Paretimes of a Complex Pariship	Allyer, S.D., (Determentions). On the best Approximation of Amilytic Farthous W. Cake I.	

TIMAN, Aleksandr Filippovich; VIDENSKIY, V.S., red.; KRYUCHKOVA, V.N., tekhn.red.

[Approximation theory of functions of real variables] Teoriia priblizheniia funktsii deistvitel nogo peremennogo. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1960. 624 p. (MIRA 13:7) (Functions of real variables)

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16(1)-11.4200 57919 S07/20-130-1-2/69 AUTHOR: Videnskiy, V.S. TITLE: Extremum Evaluations of the Derivative of a Trigonometric Polynomial on an Interval Smaller Than the Period PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 1, pp 13-16 (USSR) ABSTRACT: Let  $t_n(\theta) = \cos 2n \ \text{arc} \ \cos \frac{\sin \theta/2}{\sin \omega/2}$ ,  $u_n(\theta) = \sin 2n \ \text{arc} \ \cos \frac{\sin \theta/2}{\sin \omega/2}$ . The author proves the following theorem: Theorem: If the trigonometric polynomial of n-th order s<sub>n</sub>(0) satisfies the inequation (1)  $|s_n(\theta)| \le 1$ ,  $-\omega \le \theta \le 0$ ,  $0 < \omega < \pi$ ,  $(2) |s_n'(\theta)| \le |t_n'(\theta) + iu_n'(\theta)| = n \cos \frac{\theta}{2} \left[ \sin^2 \frac{\omega}{2} - \sin^2 \frac{\theta}{2} \right]^{-1/2}$ -W< 02 W and for  $n > \frac{1}{2} \left[ 3tg^2 \frac{\omega}{2} + 1 \right]^{1/2}$  it holds Card 1/2 (3)  $|s_n^i(\theta)| \leqslant t_n^i(\omega) = 2n^2 \operatorname{ctg} \frac{\omega}{2}, -\omega \leqslant \theta \leqslant \omega$ .

Extremum Evaluations of the Derivative of a Trigonometric Polynomial on an Interval Smaller Than the Period

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In (2) the sign of equality is reached only for polynomials  $s_n(\theta) = \chi t_n(\theta)$ ,  $|\chi| = 1$ , in the 2n points  $\theta$ , which are zeros of  $t_n(\theta)$  on  $[-\omega, \omega]$ ; in (3) the sign of equality is reached for the same polynomials, but only in the points  $\theta = \pm \omega$ . The author mentions S.N.Bernshteyn, A.A.Markov, I.I.Privalov, N.I.Akhiyezer, and B.Ya.Levin. There are 7 references, 5 of which are Soviet, 1 American, and 1 French.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A. Steklov AS USSR)

PRESENTED: August 29, 1959, by S.N.Bernshteyn, Academician

SUBMITTED: August 28, 1959

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Card 2/2

16(1)-11.4200 67929 SOV/20-130-1-2/69 AUTHOR: Videnskiy, V.S. Extremum Evaluations of the Derivative of a Trigonometric TITLE: Polynomial on an Interval Smaller Than the Period PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 1, pp 13-16 (USSR) ABSTRACT:  $t_n(\theta) = \cos 2n \text{ arc } \cos \frac{\sin \theta/2}{\sin \omega/2}$ ,  $u_n(\theta) = \sin 2n \text{ arc } \cos \frac{\sin \theta/2}{\sin \omega/2}$ . The author proves the following theorem: Theorem: If the trigonometric polynomial of n-th order  $s_n(\theta)$ satisfies the inequation (1)  $|s_n(\theta)| \le 1$ ,  $-\omega \le \theta \le \omega$ ,  $0 < \omega < \pi$ , then  $(2) |s_n'(\theta)| \le |t_n'(\theta) + iu_n'(\theta)| = n \cos \frac{\theta}{2} \left[ \sin^2 \frac{\omega}{2} - \sin^2 \frac{\theta}{2} \right]^{-1/2}$ and for  $n > \frac{1}{2} \left[ 3tg^2 \frac{\omega}{2} + 1 \right]^{1/2}$  it holds (3)  $|s_n^i(\theta)| \le t_n^i(\omega) = 2n^2 \operatorname{ctg} \frac{\omega}{2}, -\omega \le \theta \le \omega$ . Card 1/2

Extremum Evaluations of the Derivative of a Trigonometric Polynomial on an Interval Smaller Than the Period

67929 SOV/20-130-1-2/69

In (2) the sign of equality is reached only for polynomials  $s_n(\theta) = \gamma t_n(\theta)$ ,  $|\gamma| = 1$ , in the 2n points  $\theta$ , which are zeros of  $t_n(\theta)$  on  $[-\omega,\omega]$ ; in (3) the sign of equality is reached for the same polynomials, but only in the points  $\theta' = \pm \omega$ . The author mentions S.N.Bernshteyn, A.A.Markov, I.I.Privalov, N.I.Akhiyezer, and B.Ya.Levin. There are 7 references, 5 of which are Soviet, 1 American, and 1 French.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A. Steklov AS USSR)

PRESENTED: August 29, 1959, by S.N. Bernshteyn, Academician

SUBMITTED: August 28, 1959

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Card 2/2

MARKUSHEVICH, A.I., red.; VIDENSKIY, V.S., red.; KHAVINSON, S.Yo.; MURASHOVA, N.Yo., tekhn.red.

[Investigation in contemporary problems in the theory of functions of complex variables; collection of articles] Issledovaniia po sovremennym problemam teorii funktsii kompleksnogo peremennogo; sbornik statei. Moskva, Gos.izd-vo fiziko-matem. lit-ry, 1960. 544 p. (MIRA 13:3) (Functions of complex variables)

16(1)-16.4200 AUTHOR: Videnskiy, V.S. Extremum Evaluations of the Derivative of a Trigonometric TITLE: Polynomial on an Interval Smaller Than the Period PERIODICAL: Doklady Akademii neuk SSSR, 1960, Vol 130, Nr 1, pp 13-16 (USSR) ABSTRACT:  $t_n(\theta) = \cos 2n \ \text{arc} \ \cos \frac{\sin \theta/2}{\sin \omega/2}$ ,  $u_n(\theta) = \sin 2n \ \text{arc} \ \cos \frac{\sin \theta/2}{\sin \omega/2}$ . The author proves the following theorem: Theorem: If the trigonometric polynomial of n-th order  $s_n(\theta)$ satisfies the inequation (1)  $|s_n(\theta)| \le 1$ ,  $-\omega \le \theta \le \omega$ ,  $0 < \omega < \pi$ , then  $(2) |s_n'(\theta)| \le |t_n'(\theta) + iu_n'(\theta)| = n \cos \frac{\theta}{2} \left[ \sin^2 \frac{\omega}{2} - \sin^2 \frac{\theta}{2} \right]^{-1/2}$ and for  $n > \frac{1}{2} \left[ 3 t g^2 \frac{\omega}{2} + 1 \right]^{1/2}$  it holds (3)  $|s_n^i(\theta)| \le t_n^i(\omega) = 2n^2 \operatorname{ctg} \frac{\omega}{2}, -\omega \le \theta \le \omega$ . Card 1/2

67929 SOV/20-130-1-2/69

Extremum Evaluations of the Derivative of a Trigonometric Polynomial on an Interval Smaller Than the Period

In (2) the sign of equality is reached only for polynomials  $s_n(\theta) = \gamma t_n(\theta)$ ,  $|\gamma| = 1$ , in the 2n points  $\theta_{\gamma}$  which are zeros of  $t_n(\theta)$  on  $[-\omega,\omega]$ ; in (3) the sign of equality is reached

for the same polynomials, but only in the points  $\theta' = \pm \omega$ . The author mentions S.N.Bernshteyn, A.A.Markov, I.I.Privalov, N.I.Akhiyezer, and B.Ya.Levin.

There are 7 references, 5 of which are Soviet, 1 American, and 1 French.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A. Steklov AS USSR)

PRESENTED: August 29, 1959, by S.N.Bernshteyn, Academician

SUBMITTED: August 28, 1959

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Card 2/2

16(1)

AUTHOR:

Videnskiy, V.S.

SOV/20-125-1-2/67

TITLE:

Generalizations of the Theorem of A.A. Markov on the Estimation of the Derivative of a Polynomial (Obobshcheniya teoremy A.A. Markova ob otsenke proizvodncy mnogochlena)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 1, pp 15-18 (USSR)

Theorem: If a polynomial  $P_n(x)$  of degree  $n\geqslant m$  satisfies the

 $|P_n(x)| \le \left\{ \prod_{k=1}^{n} (1+a_k^2 x^2) \right\}^{n/2} = \prod_{k=1}^{n} |C_k x + i \sqrt{1-x^2}| - 1 \le x \le 1,$ 

then

where  $\sum \alpha_1 \alpha_2 \cdots \alpha_{n-2}$  is a symmetric function of  $\alpha_1, \alpha_2, \cdots, \alpha_n$ . The equality is reached only by  $P_n(x) = \chi M_n(x)$ ,  $|\chi| = 1$ , in the

points  $x = \frac{+}{1}$ . Here  $\alpha_k = \sqrt{1+a_k^2}$   $(k=1,2,...,n; a_{m+1} = ... = a_n = 0)$  and

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Generalizations of the Theorem of A.A.Markov SOV/26-125-1-2/67 on the Estimation of the Derivative of a Polynomial

$$M_n(x) = \text{Re} \prod_{k=1}^{n} (c \zeta_k x + i \sqrt{1-x^2}).$$

For  $\alpha_1 = \alpha_2 = \dots = \alpha_n = 1$  there follows the theorem of A.A.Markov. Theorem: For polynomials  $P_n(x)$  of degree  $\leqslant n$  from  $\left|P_n(x)\right| \leqslant \left|\alpha_1 x + \beta + i\sqrt{1-x^2}\right|$ ,  $-1 \leqslant x \leqslant 1$ , where  $\alpha_i$ ,  $\beta_i$  are real and  $0 \leqslant \left|\beta_i\right| < \alpha_i$ , there follows that  $\left|P_n'(x)\right| \leqslant \max\left[\left|M_n'(-1)\right|\right|$ ,  $\left|M_n'(+1)\right|$ ,  $-1 \leqslant x \leqslant 1$ ,

where  $M_n(x) = \frac{\alpha+1}{2} T_n(x) + \beta T_{n-1}(x) + \frac{\alpha-1}{2} T_{n-2}(x)$ ; here  $T_n(x) = \cos n$  arc cos x. The equality is reached only for  $P_n(x) = 3 M_n(x)$ , |x| = 1, in x = -1 or x = +1.

There are 4 Soviet references.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A. Steklov, AS USSR)

PRESENTED: November 29,1958, by S.N.Bernshteyn, Academician

SUBMITTED: November 29, 1958

Card 2/2-

KOROVKIN, Pavel Petrovich; VIDENSKIY, V.S., red.; KRYUCHKOVA, V.N., tekhn.red.

[Linear operators and the theory of approximation] Lineinye operatory i teoriia priblizhanii. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959. 211 p. (MIRA 12:8) (Functional analysis) (Operators (Mathematics)) (Approximate computation)

# VIDENSKIY, V.S. Stieltjes' and Bernshteins's inequalities for legendre polynomials. Dokl. AN SSSR 124 no.5:973-975 F '59. (MIRA 12:3) 1.Matmaticheskiy institut imeni V.A. Steklova AN SSSR. Fredstavleno akademikom S.N. Bernshteynom. (Inequalities (Mathematics))

# VIDENSKIY, V.S.

Generalizations of A.A.Markov's theorems on the evaluation of polynomial derivatives. Dokl.AN SSSR 125 no.1:15-18 Mr-Ap 159. (MIRA 12:4)

1. Matematicheskiy institut imeni V.A. Steklova AN SSSR. Predstavleno akademikom S.N. Bernshteynom.
(Polynomials)

16(1) AUTHOR:

Videnskiy, V.S.

507/20-126-2-6/64

TITLE:

On Polynomials Deviating Least From Zero, the Coefficients of

Which Satisfy a Given Linear Relation

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2, pp 248-250 (USSR)

ABSTRACT:

Let (1)  $p_n(z) = \sum_{k=0}^{n} p_k z^k$ ,

(2)  $\sum_{k=0}^{n} \omega_k p_k = 1, \quad \sum_{k=0}^{n} |\omega_k| \neq 0,$ 

 $c_k$ -given complex numbers. The point set  $\{z_v\}_{v=1}^m$ ,  $1 \le m \le 2n+1$  is called characteristic if for each of its subsets there exists a polynomial (1) so that its deviation from zero is strictly smaller than the smallest deviation on the whole set  $\{z_v\}_{v=1}^m$ . Theorem: Let  $\{z_v\}_{v=1}^m$  be a characteristic set. In order that the polynomial  $\mathbf{M}_n(z)$  among all polynomials of the type (1)-(2) is that which on  $\{z_v\}_{v=1}^m$  deviates least from zero, it is necessary and sufficient that

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SOY/20-126-2-6/64 On Polynomials Deviating Least From Zero, the Coefficients of Which Satisfy a Given Linear Relation

> (3)  $M_n(z_v) = ge^{-i\theta_v}$ , g>0, v=1,2,...,m, and that there exists a sequence of positive numbers  $\{\delta_v\}_{v=1}^m$ for which  $\sum_{k=0}^{\infty} \delta_{\nu} e^{i\theta_{\nu}} z_{\nu}^{k} = \alpha_{k}^{k}$ , k = 0, 1, ..., n. Theorem: If a polynomial  $p_n(z)$  of the type (1)-(2) on the characteristic set  $\{z_{\nu}\}_{\nu=1}^{m}$  assumes the values  $p_{n}(z_{\nu}) = \lambda_{\nu}$  $\lambda_{\nu} > 0$ ,  $\nu = 1, 2, ..., m$ , where  $\{\theta_{\nu}\}_{\nu=1}^{m}$  is defined by (3), then there holds the inequation  $\min_{\lambda} \lambda \leqslant 9 \leqslant \max_{\lambda} \lambda_{\nu}$ .

Theorem: Among the polynomials of the type (1)-(2) for every

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On Polynomials Deviating Least From Zero, the SOV/20-126-2-6/64 Coefficients of Which Satisfy a Given Linear Relation

 $q \ge 2$  in the metric  $L_q$ ,  $M_n(z)$  is the polynomial deviating least

from zero on  $\{z_{\nu}\}_{\nu=1}^{m}$  with the weight  $\{\delta_{\nu}\}_{\nu=1}^{m}$ .

There are 4 Soviet references.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A. Steklov, AS USSR)

D. February 2 4050 by C N Bernehtern Academician

PRESENTED: February 2, 1959, by S.N.Bernshteyn, Academician

SUBMITTED: February 1, 1959

Card 3/3

SOV/20-121-2-2/53 Videnskiy. V.S. AUTHOR: The Application of the Theory of Integral Functions for the TITLE: Construction and Investigation of N'-Functions Being Complementary to Given N'-Functions (Primeneniye teorii tselykh funktsiy k postroyeniyu i issledovaniyu N'-funktsiy, dopolnitel'nykh k zadannym N'-funktsiyam) PERIOTICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr2, pp 202-205 (USSR) In the theory of Orlicz-spaces the author considers so-called ABSTRACT: p(t)dt, where p(t) is a continuous N'-functions function not decreasing at the right hand side, p(0) = 0, p(t) > 0for t > 0,  $\lim_{t \to \infty} p(t) = \infty$ . Putting  $q(s) = \sup_{v \in V(s)} t$ , then the N'-function  $N(v) = \int q(s)ds$  is t → ∞ called complementary to M(u). Then also M(u) is complementary to N(v). Two N'-functions  $M_1(u)$  and  $M_2(u)$  are called equivalent if there exist  $\propto$ ,  $\beta$ ,  $u_0$  so that  $N_1(\propto u) \leq N_2(u) \leq N_1(\beta u)$ ,  $u \geq u_0$ . Card 1/3

 The Application of the Theory of Entire Functions for the SOV/20-121-2-2/53 Construction and Investigation of N'-Functions Being Complementary to Given N'-Functions

Complementary to Given N'-Functions

Let  $F(z) = \sum_{n=0}^{\infty} e^{-M(n)} z^n$ ; F(z) is an entire function.

Theorem: If N(v) is complementary to M(u), then  $\ln F(e^{v})$  is equivalent to N(v).

Theorem: If F(z) is an entire function of finite order, then

there exists  $\lim_{v \to \infty} \frac{\ln F(e^v)}{N(v)} = 1$ .

Theorem: In order that  $\overline{\lim} v^{-1} \ln N(v) = g$ ,  $0 \le g \le \infty$ , it is

necessary and sufficient that  $\frac{\lim_{n \to \infty} \frac{M(n)}{n \ln n} = \frac{1}{3}$ , where n is a

natural number. In order that  $\lim_{n\to\infty} \frac{n\to\infty}{\lim} e^{-\frac{n}{2} v} N(v) = 6 (0 < 5 < \infty, 0 < 6 < \infty)$ 

it is necessary and sufficient that  $\frac{v \to \infty}{\lim_{n \to \infty} \frac{1}{n}} = \frac{-M(n) \cdot \frac{1}{n}}{(6e^{\zeta})^{1/2}}$ 

Theorem: In order that  $\lim_{v\to\infty} e^{-\frac{a}{2}v} N(v) = 6 (0 < \frac{a}{2}, 6 < \infty)$  it is

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The Application of the Theory of Entire Functions for the SOV/20-121-2-2/53 Construction and Investigation of N'-Functions Being Complementary to Given N'-Functions

it is necessary and sufficient that  $\lim_{u \to \infty} u^{1/3} e^{-M(u) \cdot \frac{1}{u}}$ 

Theorem: The integrals o e SV N(v)dv and

 $(0 < q < \infty)$  converge and diverge at the same time. There are 7 references, 5 of which are Soviet, 1 French, and 1 American.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk SSSR (Mathematical Institute imeni V.A.Steklov of the Academy of

Sciences of the USSR) PRESENTED: February 28, 1958, by S.N.Bernshteyn, Academician SUBMITTED: February 28, 1958

Card 3/3

AUTHOR: Videnskiy, V.S. SOV/20-120-3-1/67

TITLE: Generalization of the Inequalities of 7.A. Markov (Obobshcheniya neravenstv V.A. Markova)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 120, Nr 3, pp 447-449(USSR)

ABSTRACT: Theorem: If the polynomial  $P_n(x)$  of degree not higher than n satisfies the inequality

(1) 
$$|P_n(x)| \leq |\omega x + i \sqrt{1 - x^2}|$$
 (d) 0)

on [-1,1], then it is

$$(2) |P_n^{(k)}(x)| \leqslant M_n^{(k)}(1) = \frac{d+1}{2} T_n^{(k)}(1) + \frac{d-1}{2} T_{n-2}^{(k)}(1), k=1,2,..,n,$$

where  $T_n(x) = \cos n$  are  $\cos x$ . The equality in (2) is attained only for polynomials  $P_n(x) = \int H_n(x)$ , |f| = 1.

$$M_n(x) = \frac{\alpha t + 1}{2} T_n(x) + \frac{\alpha t - 1}{2} T_{n-2}(x)$$

in the points  $x = \pm 1$ .

Card 1/2

### "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

Generalization of the Inequalities of V.A. Markov SOV/20-120-3-1/67

There are 9 references, 8 of which are Soviet, and 1 American.

ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova Akademii nauk

SSGR (Mathematical Institute imeni V.A. Steklov of the Academy of Sciences of the USSR)

PRESENTED:

January 14, 1958, by S.N. Bernshteyn, Academician

SUBMITTED:

January 14, 1958

1. Mathematics-Theory 2. Polynomials-Theory

Card 2/2

# VIDENSKIY, V.S.

Generalisation of V.A.Markov's inequalities. Dokl. All SSSR 120 no. 3:447-449 My \*58. (HIRA 11:7)

1. Metematicheskiy institut in. V.A. Steklove AN SSSR. Predstavleno ekademikon S.N. Bernshteynom.

(Inequalities (Nathematics))

(Functions of riel variables)

VIDENSIY (S

AUTHOR:

VIDENSKIY V.S.

20-5-2/48

TITLE:

On the Mutual Situation of the Zeros of Consecutive Polynomials Approximating Zero Best (O vzaimnom raspoloshenii nuley

posledovatel nykh polinomov, naimenee uklonyayushchikhaya ot nylya)

PERIODICAL: Doklady Akad. Nauk SSSR, ., 1957, Vol. 116, Mr. 5, pp. 723-726 (USSR)

ABSTRACT:

A well known property of the Chebysev polynomials is generalized. Theorem: On [a,b] let be given two functions  $t_n(x)$  and  $t_{n+1}(x)$ 

continuous together with their first derivatives. Let the

following conditions be satisfied:

1. In the interval (a,b) let  $t_n(x)$  have the n simple seros  $x_1 < x_2 < \cdots < x_n$ . Let the function  $t_{n+1}(x)$  have there n+1

simple zeros  $y_1 < y_2 < \cdots < y_{n+1}$ .

2. Let every linear combination  $\lambda t_n(x) + \mu t_{n+1}(x)$  ( $\lambda$ ,  $\mu$ - real,

 $\lambda^2 + M^2 \neq 0$ ) have not more than n+1 zeros on [a,b].

Card 1/2

 $|t_n(x)| \le 1, \qquad |t_{n+1}(x)| \le 1,$  where in n+1 different points  $\xi_1 < \xi_2 < \cdots < \xi_{n+1}$  and in

On the Mutual Situation of the Zeros of Consecutive Polynomials 20-5-2/48 Approximating Zero Best

n+2 different points  $\gamma_1 < \gamma_2 < \dots < \gamma_{n+2}$  the relations

$$t_n(\xi_k) = (-1)^k \qquad (k=1,...,n+1)$$

$$t_n(\gamma_k) = (-1)^k$$
 (k=1,...,n+2)

are satisfied. Then there hold the inequations

 $a \le \gamma_1 \le \xi_1 < \gamma_2 < \xi_2 < \dots < \gamma_{n+1} < \xi_{n+1} < \gamma_{n+2} \le b$ 

 $a \leq y_1 \leq x_1 \leq y_2 \ldots \leq x_n \leq y_{n+1} \leq b.$ 

Two Soviet and 1 foreign references are quoted.

PRESENTED: By S. N. Bernshteyn, Academician. April 28,1957
ASSOCIATION: Mathematics Institute im. V. A. Steklov, Acad. Sc. USSR (Matematicheskiy

institut im. V. A. Steklova AN SSSR)
SUBMITTED: April 27, 1957

AVAILABLE: Library of Congress

Card 2/2

# "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

PAVKO, D.; OCEFEK, Drago, dr. inz., docent; GRAFEHAUER, S.;
SICHERL, B.; WERSHIC ML., V.; PAULIN, A.; GORUP, M.;
CAZAFURA, K.; VIDERGAR, F.; AHLIN, F.; KAVCIC, J.;
KERSNIC, Viktor, prof. dr. inz.; GCGALA, A.; RAMOVS, A.;
SKUBIC, T.

New books. Rud met zbor no. 2:189-216 '64.

1. Chief Editor, "Rudarsko-metalurski zbornik" (for Kersnic, Viktor).

# "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

\_ VIDERGAUZ, N.B.; Coltainer, K.A. [deceased]; Printerli delicative: (Fault LLV, K.I.; LANTSOVA, L.T.; Gershunov, O.L.

Rapid chromatographic analysis of hydroparbon gases. Neftekhimiia 2 no.6:825-830 N-D '68. (CEA 17:10)

1. Mauchno-isolodovatel'skiy institut sintetleheskikh spirtov i erast-icheskikh produktov, Movokaybyshevskiy filial.

 VIDERGAUZ, V. 3. TITLE: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963). SOURCE: Atomnaya energiya, v. 15, no. 3, 1963, 266-267.

ACCESSION NR: AP3008085

germanides and their properties.

- T. I. Zhuravlev, A. I. Avgustinnik, V. S. Vidergauz. Precipitation of refractory compounds by the electrophoresis method.
- Ye. A. Shtrum. Application of transfer reactions for growing single crystals of refractory compounds.
- K. S. Pridantsev, N. S. Solov'yev, Technology of production and the use of nonmagnetic zirconium-base alloys.
- T. V. Krasnopevtseva, P. M. Paretskaya. Chromium-base precision alloys.
- M. V. Vink. Application of zirconium boride and molybdenum silicide antiemission coatings.
- O. P. Kolchin, I. K. Berlin. Synthesis and use of niobium carbide.

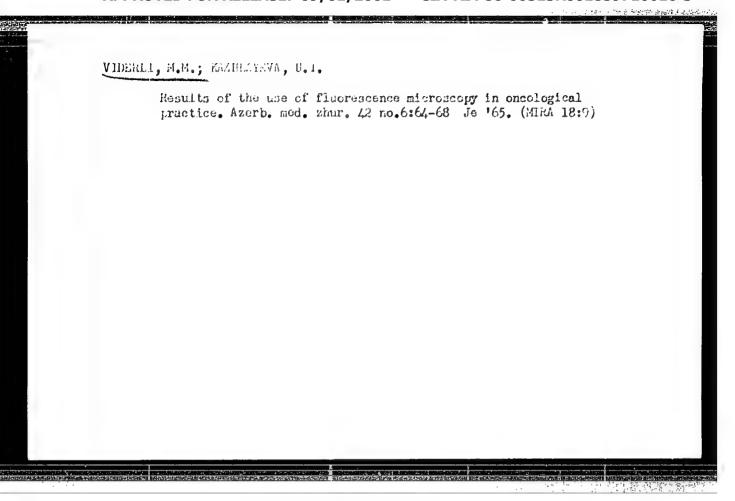
Card 5/11

YIDERGAUZ, V. S.
TITLE: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963).
SCURCE: Atomnaya energiya, v. 15, no. 3, 1963, 266-267.

#### ACCESSION NR: AP3008085

- S. S. Ordan'yan, A. I. Avgustinnik, <u>V. S. Vidergauz</u>. The ZrC-Mophase diagram at temperatures above 2500C.
- L. B. Dubrovskaya, G. P. Shveykin. Phase diagram of the Ta-C system at temperatures above 2500C.
- Yu. N. Vil'k, R. G. Avarbe, and others. The NbC-W interaction at temperatures above 2500C.
- L. M. Katanov. Investigation of the  $\rm Cr_2\,C_3$ -Fe,  $\rm Cr_7\,C$ -Fe, and  $\rm Cr_2\,C$ -Ti systems at temperatures below 2500C.
- Yu. B. Kuz'ma, Ye. I. Glady\*shevskiy, and Ye. Ye. Cherkashin. Physicochemical investigation of the Nb-Co-Si system.
- N. N. Kolomy\*tsev, N. V. Moskaleva. Phase composition of Mo-Ni-B alloys.
- Ye. I. Glady\*shevskiy and others. Interaction between group 4a and

Card 6/11



GULIYEVA, S.A., dotsent; ABASKULIYEVA, L.I., kand. med. nauk; VIDERLI, M.M., kand. med. nauk; ABDULIAYEV, V.M., kand. med. nauk

Changes in gas exchange and morphological shifts in the internal organs of irradiated rats. Azerb. med. zhur. no.7: 18-23 J1 '63. (MIRA 17:1)

1. Iz kafedry patofoziologii Azerbaydzhanskogo instituta usovershenstvovaniya vrachey i Nauchno-issledovatel'skogo instituta rentgenologii i radiologii Ministerstva zdravo-okhraneniya Azerbaydzhanskoy SSR.

VIDERLI, M.N.

Roentgenologic diagnosis of baritosis; experimental investigations. Vest. rent.i rad. no.2:22-25 Mr-Ap '54. (MIRA 7:6)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav. starshiy-nauchnyy sotrudnik A.A.Shtuss) Azerbaydzhanskogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii (dir. R.K.Safaraliyev) (PNKUMOCONIOSES, experimental,

\*baritosis, x-ray diag.)
(BARIUM, injurious effects,
\*exper. baritosis, x-ray diag.)

L 11022-66

ACC NR: AP6004968

SOURCE CODE: CZ/0083/65/000/002/0113/0118

AUTHOR: Strnad, M.; Widermannova, L.-Vidermannova, L.

ORG: Psychiatric Hospital, Sternberk (Psychiatricka lecebna)

TITLE: Contribution to the psychiatric problem of the pathological conviction about the incontinence of intestinal gases

SOURCE: Ceskoslovenska psychiatrie, no. 2, 1965, 113-118

TOPIC TAGS: psychopathology, intestinal disease

ABSTRACT:

chopathological evaluation of the syndrome of morbid conviction about incontinence of intestinal gases is presented. Two cases are described; one fits into the frame of the decompensation of a psychopathic personality, and the other has the character of a hallucinatory paranoid psychosis. The fatal importance of the syndrome for the life of the patients is evaluated, and early diagnostic symptoms analyzed. (JPRS)

SUB CODE: 06, 05 / SUBM DATE: none

H() Cord 1/1

BRUK, A.D., inzh.; VIDERSHAYN, A.B., inzh.

Experience in the redesigning of exhaust fans. Prom. energ.
19 no.1:13-14 Ja '64.

(MIRA 17:2)

ROZENFEL'D, Ye.L.; VIDERSHAYN, G.Ya.

Utilization of L-rhamnose in animal organs. Vop. med. khim. 9 no.5:531-533 S-0 '63. (MIRA 17:1)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

ROZENFEL'D, YeL.; VIDERSHAYN,G.Ya.

L-rhamnosidase of animal tissues. Dokl. AN SSSR 156 no. 5: 1215-1216 Je '64. (MIRA 17:6)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR. Predstavleno akademikom A.N.Belozerskim.

5%

VIDERSHAYN, G.Ya.; ROZENFEL'D, Ye.L.

Synthesis of  $\infty$ -phenyl-L-rhamnopyranoside and its cleavage in animal tissues. Biokhimiia 29 no.4:7.5-740 Jl-Ag '64. (MIRA 18:6)

1. Laboratoriya klinicheskoy khimii i biokhimii uglevodnogo obmena Instituta biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

**新疆域域的** 

YEYDUS, L.Kh.; ALYMOVA, M.M.; VIDEESKIY, V.G.

Density spectrum of atmospheric showers of cosmic particles. Doklady Akad. Nauk S.S.S.R. 75, 669-72 \*50. (GA 47 no.1919810 \*53) (HIRA 3:10)

VIDENSKIY, V.S.; BERNSHTEIN, S.N., akademik.

Weighted approximation on a real axis. Dokl. AN SSSR 92 no. 2:217-220 S '53.

(NLRA 6:9)

1. Akademiya nauk SSSR (for Bernshteyn). (Aggregates)

VIDENSKIY, Y. S.

Functions

Result of S. N. Bernshteyn's proposal on integral functions of the zero type. Dokl. AN SSSR 84 no. 3. 7.752 RCD. 11 March 1952

So: Monthly List of Russian Accessions, Library of Congress, 1953, Uncl.

# viostoriy, v. S:

"Concerning the Inequalities of the Relative Derivatives of a Polynomial." Thesis for degree of Cand. Physico-Mathematical Sci. Sub 1 Nov 50, Sci Res Inst of Mathematics, Moscow Order of Lenin State U imeni M. V. Lomonosov.

SUMMARY 71, 4 Sep 52, <u>Dissertations Presented</u>
for Degrees in Science and Engineering in Moscow
in 1950. From <u>Vechernyaya Moskya</u>, Jan-Dec 1950

VIDENSKIY, V. S.

Cand. Physicomath Sic.

Dissertation: "Concerning the Inequalities of the Relatively Derivatives of a Polynomial."

1/11/50

Sci. Res. Inst of Mathematics, Moscow Order of Lenin State U. imeni.

M. V. Lomonosov.

SO Vecheryaya Moskva Sum 7!

VIDENSKIY, V. S. 0 Videnskil, V. S. On weighted approximation on the real axis. Doklady Akad. Nauk SSSR (N.S.) 92, 217-220 (1953). (Russian) The author considers the generalization of S. Bernstein's problem about weighted polynomial approximation on the real axis in which the polynomials contain only powers xis with a given sequence [16] of integers. He obtains a generalization of a theorem of Mandelbrojt [Ann. Sci. Ecole Norm. Mathematical Review: June 1954 Sup. (3) 65, 101-138 (1948); these Rev. 10, 436], by means of approximating the weighting function by entire functions. He was, however, apparently unaware that similar general-Analysis izations had been given by Mandelbroit [Séries adhérentes, régularisation des suites, applications, Gauthier-Villars, Paris, 1952; these Rev. 14, 542]. R. P. Boas, Jr.

VIDENSKIY, V. S.

USSR/Mathematics - Approximations

11 Sep 53

"Weighted Approximation on the Real Axis, "V. S. Videnskiy

DAN SSSR, Vol 92, No 2, pp 217-220

Gives the following definition: Let  $(k_n)$   $(k_0=0)$  be an infinite increasing sequence of integers; then the function  $\Phi(x) > 0$  (on the interval -00, 00) is said to be weighted relative to sequence  $(x^k n)$  (for  $\Phi(x)$  in  $W(k_n)$ ) if for every function continuous on -00, 00 and satisfying  $\lim_{x\to\infty} (x)/\Phi(x) = 0$   $(x \to \pm 00)$  and for any positive epsilon one can construct a

269175

polynomial  $P(x)=c_0+c_1x^k_1+\ldots+c_nx^{k_n}$  such that  $f(x)-P(x)/\xi \Phi(x)$  in -oo, oo. Cites related work of L. Carleson (Proc Am Math Soc. 2, No 6, (1951)). Presented by S. N. Bernshteyn 26 Jun 53.

State and prospects of manning industry in Volvoitna, Tabaixa dug 18 no.11: Supply frenan in 17 no.11:2122-2124 K 163.

1. Direktor biroa za unapredenje proizvodnje Foslovneg udruzenja "Produktive", Novi Sad.

# VIDETSKIY, A.

Join the leaders; public inspection of the technical operation of river vessels. Blok.agit.vod.transp. no.15:11-17 Ag '56.(MLRA 9:8)

1. Wachal'nik Glavflota Ministerstva rechnogo flota RSFSR.

(Inland water transportation)

VIDGERGAUZ, R.N.

Phagocytary leukocyte index in pneumonia in children. Pediatriia,
Moskva No.1:51 Jan-Feb 51. (CIML 20:6)

1. Of the Propedeutic Department for Children's Diseases, Sverdlovsk Medical Institute.

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3"

Ponomarev, S.D.

Viderman, V.L.

Likharev, K.K.

Malinin, N.N.

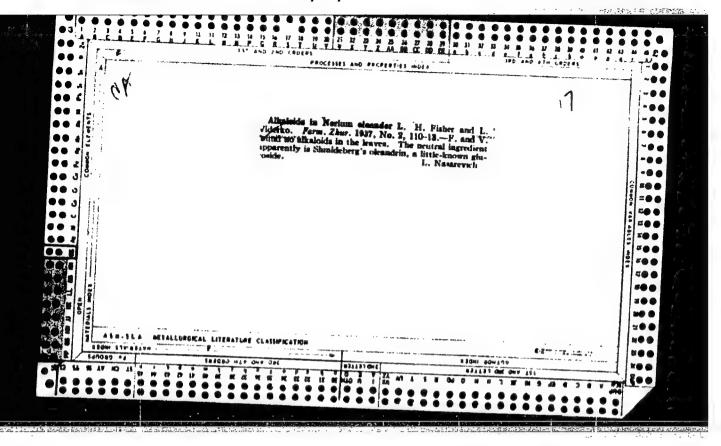
Makushin, V.M.

Feodos'yev, V.I.

Machine Building\*

Moscow Higher Technical School imeni Bauman

Moscow Higher Technical School imeni Bauman



----USSR/Medicine - Roentgenology

VIDERLI, M. M.

Card 1/1

FD 211

Author

: Viderli, M. M.

Title

: X-ray diagnosis of baritosis (Experimental Investigation)

Periodical

: Vest. Rent. i Rad. 22-25, Mar/Apr 1954

Abstract

: In experimental paritosis produced on an animal, the X-ray is similar to tnat of silicosis. The atomic weight of the dust particles in the lungs must be taken into account in the diagnosis. Four photographs (two Xrays, one histological slide, and one plain photograph).

Institution: X-Ray Diagnosis Department (Chief - Senior Scientific Associate A. A. Shtuss) Azerbaydzhan Scientific-Research Institute of Roentgenology and Radiology, (Director - R. K Safaraliyev)

VIDERMAN, A.I., inzh.

Making joint flanges for precast reinforced shell tubings.

Transp.stroi. 9 no.5:27-30 My 159. (MIRA 12:12)

(Flanges) (Bridges-Foundations and piers)

KOYETSKIY, Z. [Kojecky, Z.]; VIDERMANN, B.[ Wiedermann, B.]

Metabolic and hematologic changes following radical surgical operations on the stomach. Vop.pit. 18 no.5:20-24 S-0 59. (MIRA 13:1)

l. Iz propedevticheskoy terapevticheskoy kliniki (zav. - dotsent A. Koyetskiy) i kliniki terapevticheskoy (zav. - prof. P.Lukl') Universiteta imeni Palatskogo, Olomouts, Chekhoslovatskaya Narodnaya Respublika.

(GASTRECTOMY)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3"

动独岛属 野

VIDERSHAYN, A.D., inzh.; SENDETSKIY, A.A., inzh.

Experience in using step-wise evaporation with external cyclones.

Izv. vys. ucheb. zav.; energ. 4 no.3:112-114 Mr '61. (MIRA 14:3)

1. Voroshilovskiy gorno-metallurgicheskiy institut. Predstavlena kafedroy tepletakhniki i gidravliki.

(Boilers) (Furnaces)

### VIDERSHAYN, M.I.

Remote control of the ZhR-4S radio station. Avtom. telem. i sviaz 3 no.5:37-38 My 159. (MIRA 12:8)

l.Starshiy inzhener laboratorii signalizatsii i svyazi Moskovsko-Ryazanskoy dorogi. (Remote control) (Railroads--- Electronic equipment)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3"

The second secon

VIDERSHAYN, M.N.

Use of a radio relay system. Avtom., telem.i sviaz' 3 no.7:28 Jl '59. (MIRA 12:12)

1. Starshiy inzhener laboratorii signalizatsii i svyazi Moskovsko-Ryazanskoy dorogi. (Railroads--Communication systems)

VIDERSPAH, J.

"Methodology of Pilot Training in Aero Clubs", P. 340, (KRIDIA VIASTI, Vol. 4, No. 15, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EFAL), IC, Vol. 4, No. 1, Jan. 1955, Uncl.

VIDERT, L.K., CHERANOV, V.M.

Attachment to the R-5 machine. Zav.lab 26 no.7:881-882 (MIRA 13:7)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.

(Testing machines)

VIDERVOL. N.

Y ugoslavia (430)

Social Sciences - Serials

For the new man; a school mistress as a socialist educator. p. 230. Progressive American-Slovenian women in the fatherland. p. 232. NASA ZENA. (Antifasistican fronta zena Slovenije) Ljubjana. (Illustrated

East European Accessions List. Library of Congress, Vol. 1, no. 13, November 1952. UNCLASSIFIED.

"Card 1 of 2"

VIDERVOL, N.

Yugoslavia (430)

monthly for women issued by the Anti-Fascist Women's Front of Slovenia, with Young pioneers, a supplement for children). Vol. 10, no. 8-9, 1952.

East European Accessions List, Library of Congress, Vol. 1, no 13, November 1952. UNCLASSIFIED.

" Card 2 of 2"

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VIDERVOL, N.

Yugoslavia (430)

Social Sciences - Serials

Intellectual women of the past and present, p. 234. NASA ZENA. (Antifasisticus fronta zena Slovenije) Ljubjana. (Illustrated monthly for women issued by the Anti-Fascist Women's Front of Slovenia, with Young pioneers,

East European Accessions List. Library of Congress, Vol. 1, no. 13, November 1952. UNCLASSIFIED. "Card 1 of 2"

VIDERVOL, N.

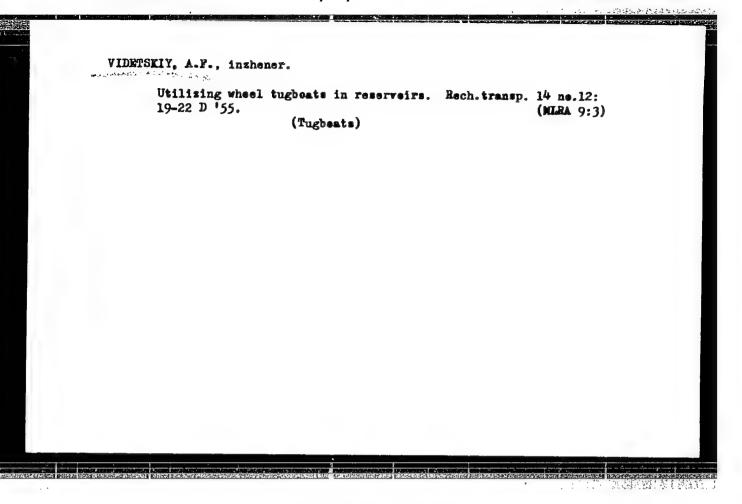
Yugoslavia (430)

a supplement for children). Vol. 10, no. 8-9, 1952.

East European Accessions List. Library of Congress, Vol. 1, no. 13, November 1952. UNCLASSIFIED. "Card 2 of 2"

VIDETIC, Lubomir, inz.

"Production preparation" by P. Pristl. Pt.2. Reviewed by Lubomir Videtic. Stroj vyr 12 no.10:781 0 '64.



VIDETSKIY, A. F. Cand Tech Sci -- (diss) "Study of forces working on the public of paddle-wheel in calm and turbulent water." Len, 1957.

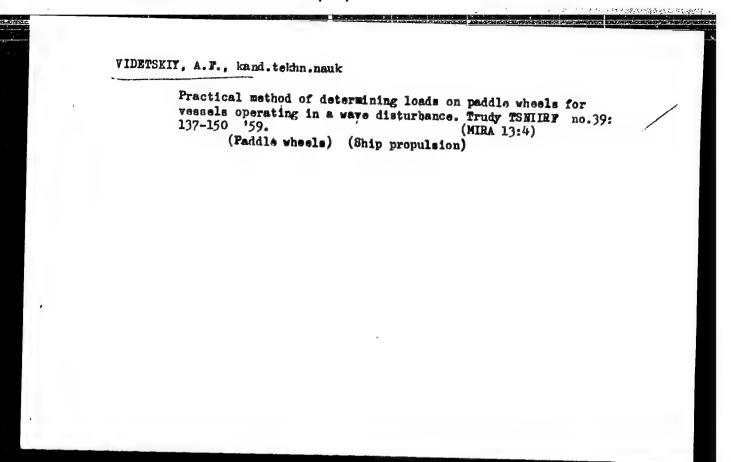
13 pp 21 cm. (Min of River Fleet RSFSR. Len Inst of Engineers of Water Transport).

(KL, 24-57, 118)

BELYAKOV, F.Ye.; BABIN, B.N.; BAL¹, V.; BOROVKOV, P.N.; VOYEVODIN, I.N.; GUREVICH, G.M.; GORBUHOVA, P.I.; KOHNOV, A.S.; LALANTAROVA, M.V.; KASHIRSKIY, A.Ye.; KAZANCÆYEV, Ye.N.; LEKSUTKIN, A.P.; LETICHEVSKIY, M.A.; LOPATIN, S.Z.; MIRSKIY, V.N.; PODSEVALOV, V.N.; SUBBOTINA, V.P.; TANASIYCHUK, N.P.; PEDOTOV, S.D.; PISENKO, K.N.; EL'KIND, I.G.; BOVIN, S.S.; VASIL'YEV, L.T.; DRINKOV, V.D.; DALECHIN, N.I.; DADAGOV, I.A.; YERMOSHINA, V.I.; ZHUKOV, I.V.; ZIMIN, D.A.; IVANNIKOV, A.Ya.; KOVALEV, M.K.; LUGAKOVSKIY, N.L.; NALEVSKIY, A.F.; SEREZHNIKOV, V.K.; SEMIGLASOV, M.D.; SOKOLOV, A.V.; STEPANOV, V.I.; SAKHARIN, G.S.; SAVENKO, P.A.; SOLODOV, V.P.; UMEROV, Sh.Kh.; CHIKINDAS, G.S.; SHCHERBUKHINA, S.N.; DYNKIN, G.Z.; LYSOV, V.S.; OSHEROVICH, A.N.; ROKITSINSKIY, E.V.; BRASLAVSKIY, M.S.; RUDENKO, I.A.; ZHUKOBORSKIY, M.S.; ZHDANOV, I.Ye.; SUSLIN, V.A.; BRUS, A.Ye.; VOLYNSKIY, S.A.; KLYUYEV, V.A.; ISTRATOV, A.G.; TIKHOMIROV, I.F.; BUTYRIN, Ya.N.; VOLYNSKIY, S.A.; MINEYEV, M.F.; MAL'TSEV, V.I.; VIDETSKIY, A.F., kand.tekhn.nauk, glavnyy red.; DEMIDOV, A.N., red.; KRAVETS, A.L., red.; KLIMOVA, Z.I., tekhn.red.

[Industrial Astrakhan] Promyshlennaia Astrakhan'. Astrakhan'. Izd-vo gazety "Volga," 1959. 318 p. (MIRA 12:11)

1. Astrakhan (Province) Ekonomicheskiy administrativnyy rayon.
(Astrakhan Province---Economic conditions)



## VIDETSKIY, A.

For well-organized preparation and repair of ships in 1962-63. Rech. transp. 21 no.8:1-2 Ag '62. (MIRA 18:9)

1. Zamestitel' ministra rechnogo flota.

# VIDETSKIY, A.

Technical eperation of ships to meet medern objectives. Rech. transp. 22 no.6: 1-3 Jo \*63. (MIGA 16:9)

1. Zamestitel' ministra rechnege flota RSFSR. (Ships—Maintenance and repair)

VIDEYA, V.E.

Studying the changes in some properties of the "Meron" textured yarn as related to weaving. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.4:85-90 165. (MRA 18:9)

1. Moskovskiy tekstil'nyy institut.

MIROSHNICHENKO, I.V.; LARIN, G.M.; MAKAROV, S.P.; VIDEYKO, A.F.

Electron paramagnetic resonance method of studying a free radical of hexafluorodimethyl nitrogen oxide. Zhur.strukt.khim. 6 no.5:776-777 S-0 165. (MIRA 18:12)

1. Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova AN SSSR. Submitted March 27, 1965.

#### "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

MM/JW/RM SOURCE CODE: UR/0020/66/168/002/0344/0347 EWI(m)/EWP(j)/T AP6015613 (A) ACC NRI AUTHORS: Makarov, S. P.; Englin, M. A.; Videyko, A. F.; Tobolin, V. S. S. ORG: none TITLE: Reactions of hexafluorodimethylnitroxide

SOURCE: AN SSSR. Doklady, v. 168, no. 2, 1966, 344-347

TOPIC TAGS: chemical reaction, halogen oxygen nitrogen compound, fluorinated organic compound

ABSTRACT: Reactions of hexafluorodimethylnitroxide (I), which was described in an earlier paper by S. P. Makarov, A. Ya. Yakubovitch i dr. (Zhurn. Vsesoyuzn. khim. obshch. im. D. I. Mendeleyeva, 100. 1, 106, 1965; DAN, 160, 1319, 1965), with ethylene, tetrafluoroethylene, acetylene, benzene, tetrafluorohydrazine, phosphorus trichloride and trifluoride, lead and tin are described. Photolysis and pyrolysis of I were also investigated. The structure of the reaction products was analyzed by means of elementary analysis, mass spectroscopy, determination of molecular weight, and by formation of derivatives. It was established that in some reactions I acts as a typical free radical? while in others as an oxidizing agent releasing its oxygen. Photolysis leads to dimerization of I, while pyrolysis at 3500 results in

Card 1/2

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VIDGAJ, F.

Lead in food, drink, and water, p. 1483
TEHNIKA, Beograd, Vol 10, No. 10, 1955

SO: EEAL, Vol 5, No. 7, July 1956

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MOLDOVER, T.D.; VIDGOF, N.B.

Gatings on dies for casting thermoplastic materials under pressure. Nov.med.tekh. no.4:78-99'61. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh instrumentov i oborudovaniya. (PLASTICS IN MEDICINE)

#### "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

VIDCOF, N.B.; RIPS, S.M.

Gas diverters in molds for casting, their design and construction.
Flast.massy no.9:57-60 '61. (MIRE 15:1)
(Plastics--Molding)

MOLDOVER, T.D.; VIDGOF, N.B.

Foundry system of pressurized forms for casting thermoplastic materials under pressure. Nov. med. tekh. no.5:87-107 161. (MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovateliskiy institut meditsinskikh instrumentov i oborudovaniya.

VIDGOF, Naum Borisowich; ROMANOV, B.V., red.; FREGER, D.P., red.izd-va; GVIRTS, V.L., tekhn.red.

[Injection molding of thermoplastics] Tochechnoe lit's termoplastov; stenogramma lektsii. Leningrad, 1961. 46 p.

(Flastics—Molding)

(Flastics—Molding)

DYKHOVICHNYY, Yu.A., inzh.; KAMENKOVICH, M.S., inzh.; Prinimali uchastiye: KONDRAT'YEV, A.N., inzh.; VIDGOL'TS, O.M., inzh.; SKANAVI, A.N., kand. tekhn. nauk; BORODINA, I.S., red.izd-va; SHKINEV, A.N., inzh., nauchnyy red.; MOCHALINA, Z.S., tekhn. red.

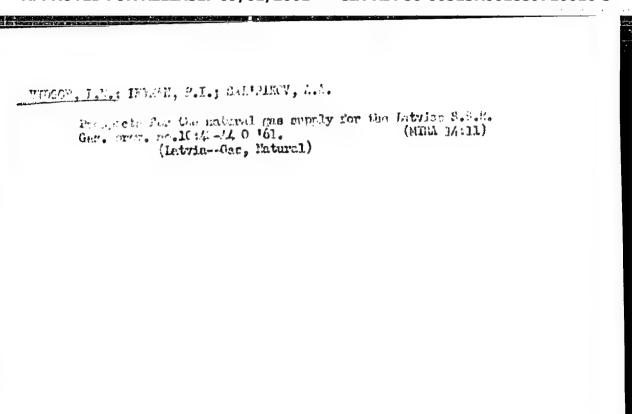
[Concise handbook on the design of residential and public buildings] Kratkii spravochnik po proektirovaniiu zhilykh i grazhdanskikh zdanii. Moskva, Gosstroiizdat, 1963. 507 p. (MIRA 16:5)

(Apartment houses—Design and construction)
(Public buildings—Design and construction)

AKSEL'ROD, M.M.; VIDGON, L.N.; ROKOTYAN, S.S.; TURETSKIY, V.Ye.

Gosparison of the economic efficiency of d.c. power transmission and transportation of gas to electric power plants. Izv. NIIPT no.8:20-31 '61.

(Electric power distribution—Costs) (Gas, Natural—Transportation)



SMIRNOV, V.A.; VIDGOP, L.N.; LEYMAN, P.P.; NIKITIN, V.A.

Gertain contradictions in the planning of gas supply systems.

Gaz. prom. 7 no.12:23-26 62 (MIRA 17:7)

VIDGOP, Lev Naumovich; SAVITSKIY, Valeriy Borisovich; BRENTS, A.D., nauchnyy red.; REYKHERT, L.A., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Technical and economic planning of gas pipelines] Tekhnikoekonomicheskoe proektirovanie magistral'nykh gazoprovodov. Leningrad, Gostoptekhizdat, 1963. 186 p. (MIRA 16:5) (Gas, Natural--Pipelines)

SHPAKOVSKIY, V.I.; VIDGOP; L.N.; SAVITSKIY, V.B.

Operation of the Gazli-Ural gas pipeline. Gaz.prom. 6 no.5:37-41
(MIRA 14:5)

My '61. (Gas, Natural--Pipelines)

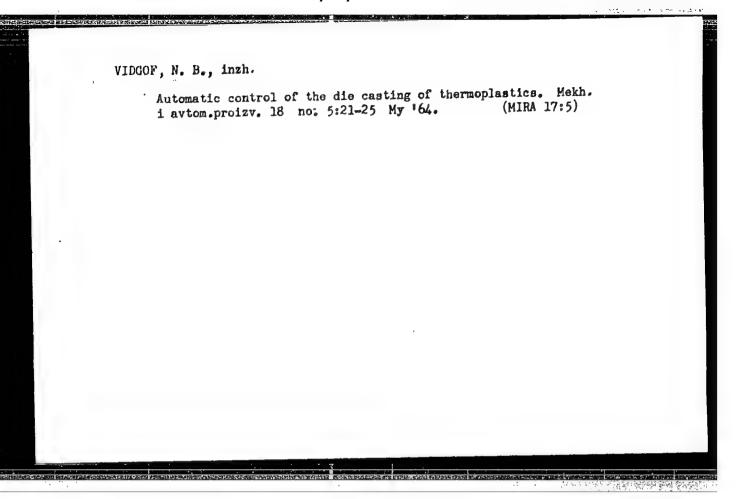
VIDGOP, L.N.; LEYMAN, P.P.

Effectiveness of the use of an electric drive at the compressor stations of gas lines. Gaz.prom. 6 no.2:33-38 161.

(MIRA 14:4)

l. Iz opyta tekhniko-ekonomicheskikh obosnovaniy proyekta gazopro-voda Gazli - Ural.

(Gas, Natural--Pipelines) (Compressors)



BARK, S.Ye., red.; VIDGORCHIK, D.Ya., red.; KACHUR, O.Yu., red.; RAVICH, M.B., red.; TSIKEHMAN, L.Ya., red.; PANKRATOVA, O.M., ved. red.

[Use of gas in industry] Ispol'zovanie gaza v promyshlennosti. Moskva, 1962. 109 p. (MIRA 16:10)

L. Institut tekhnicheskoy informatsii i ekonomicheskikh issledovaniy po neftyanoy i gazovoy promyshlennosti. (Gas as fuel)

### "APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859710016-3

VIDGORCHIK, M.M., inzh.; REYTBURD, I.M., inzh.

The BUS-4 crane drill rig. Vest. sviazi 17 no.11:11-12 N '57.

(MIRA 10:12)

1. TSentral'noye konstruktorskoye byuro Ministerstva svyazi SSSR.

(Boring)

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